

DAFTAR PUSTAKA

- Aaby, K., Skaret, J., Berget, I., & Varela, P. (2025). The interplay of different sensory attributes in lingonberry nectars with sucrose and high intensity sweeteners. *Applied Food Research*, 5(1). <https://doi.org/10.1016/j.afres.2024.100681>
- Adawiyah, D. R., Andarwulan, N., Triana, R. N., Agustin, D., & Gitaprawati, D. (2018). Evaluasi Perbedaan Varietas Kacang Kedelai terhadap Mutu Produk Susu Kedelai. *Jurnal Mutu Pangan*, 5(1), 10–16. <https://journal.ipb.ac.id/index.php/jmpi/article/view/27871>
- Adawiyah, D. R., Azis, M. A., Ramadhani, A. S., & Chueamchaitrakun, P. (2019). Perbandingan Profil Sensori Teh Hijau Menggunakan Metode Analisis Deskripsi Kuantitatif Dan CATA (CHECK-ALL-THAT-APPLY). *Jurnal Teknologi Dan Industri Pangan*, 30(2). <https://doi.org/10.6066/jtip.2019.30.2.161>
- Adawiyah, D. R., Rakhmadani, A., & Lince, L. (2023). Pengaruh Informasi Produk dan Harga terhadap Urutan Kesukaan Produk Susu Cokelat Siap Minum pada Konsumen Anak-Anak. *Jurnal Mutu Pangan : Indonesian Journal of Food Quality*, 10(1), 1–7. <https://doi.org/10.29244/jmpi.2023.10.1.1>
- Adetokunboh, A. H., Obilana, A. O., & Jideani, V. A. (2022). Enzyme and Antioxidant Activities of Malted Bambara Groundnut as Affected by Steeping and Sprouting Times. *Foods*, 11(6). <https://doi.org/10.3390/foods11060783>
- Afroz, M. F., Anjum, W., Nurullslam, Md., Kobir, Md. A., Hossain, K., & Sayed, A. (2016). Preparation of Soymilk Using Different Methods. *Journal of Food and Nutrition Sciences*, 4(1), 11–17. <https://doi.org/10.11648/j.fns.20160401.13>
- Agrahar-Murugkar, D., & Jha, K. (2010). Effect of drying on nutritional and functional quality and electrophoretic pattern of soyflour from sprouted soybean (*Glycine max*). *Journal of Food Science and Technology*, 47(5). <https://doi.org/10.1007/s13197-010-0082-5>
- Alcorta, A., Porta, A., Tárrega, A., Alvarez, M. D., & Pilar Vaquero, M. (2021). Foods for plant-based diets: Challenges and innovations. *Foods*, 10(2), 293. <https://doi.org/10.3390/foods10020293>
- Alsubhi, M., Blake, M., Nguyen, T., Majmudar, I., Moodie, M., & Ananthapavan, J. (2023). Consumer willingness to pay for healthier food products: A systematic review. *Obesity Reviews*, 24(1). <https://doi.org/10.1111/obr.13525>
- Aminah, S. (2020). Komponen dan Karakteristik Fungsional Kecambah Kedelai. *Prosiding Seminar Nasional Unimus*, 3(1), 784–793.
- Ansari, M. I., Jalil, S. U., Ansari, S. A., & Hasanuzzaman, M. (2021). GABA shunt: a key-player in mitigation of ROS during stress. *Plant Growth Regulation*, 94(2), 131–149. <https://doi.org/10.1007/s10725-021-00710-y>

- Araceli Guzmán-Ortiz, F., Baruchs Muñoz-Llandes, C., & Martínez-Villaluenga, C. (2024). Time matters: Exploring the dynamics of bioactive compounds content, bioaccessibility and antioxidant activity during *Lupinus angustifolius* germination. *Food Research International*, 187, 114426. <https://doi.org/https://doi.org/10.1016/j.foodres.2024.114426>
- Ares, G., & Jaeger, S. R. (2015). Check-all-that-apply (CATA) questions with consumers in practice: Experimental considerations and impact on outcome. In *Rapid Sensory Profiling Techniques and Related Methods: Applications in New Product Development and Consumer Research*. <https://doi.org/10.1533/9781782422587.2.227>
- Ares, G., Dauber, C., Fernández, E., Giménez, A., & Varela, P. (2014). Penalty analysis based on CATA questions to identify drivers of liking and directions for product reformulation. *Food Quality and Preference*, 32, 65–76. <https://doi.org/10.1016/j.foodqual.2013.05.014>
- Arshad, S., Rehman, T., Saif, S., Rajoka, M. S. R., Ranjha, M. M. A. N., Hassoun, A., Cropotova, J., Trif, M., Younas, A., & Aadil, R. M. (2022). Replacement of refined sugar by natural sweeteners: focus on potential health benefits. *Heliyon*, 8(9), e10711. <https://doi.org/10.1016/j.heliyon.2022.e10711>
- Astini, N. L. Y. (2022). Alternatif penggunaan gula palem sebagai pengganti gula pasir dalam pembuatan sponge cake kukus. *Jurnal Ilmiah Pariwisata Dan Bisnis*, 1(11), 3004–3015. <https://doi.org/10.22334/paris.v1i11.209>
- Badan Pusat Statistik. (2024, September 24). *Impor Kedelai menurut Negara Asal Utama, 2017-2023*. <https://www.bps.go.id/id/statistics-table/1/MjAxNSMx/impor-kedelai-menurut-negara-asal-utama-2010-2019.html>
- Badan Standarisasi Nasional. (1995). *SNI 01-3830-1995*. Badan Standarisasi Nasional.
- Bagarinao, N. C., King, J., Leong, S. Y., Agyei, D., Sutton, K., & Oey, I. (2024). Effect of Germination on Seed Protein Quality and Secondary Metabolites and Potential Modulation by Pulsed Electric Field Treatment. In *Foods* (Vol. 13, Issue 11). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/foods13111598>
- Bantacut, T. (2017). Pengembangan Kedelai untuk Kemandirian Pangan, Energi, Industri, dan Ekonomi. *Jurnal Pangan*, 26(1), 81–86.
- Bao, M., Wang, J., Zeng, Y., Guo, W., Li, Z., Wu, Y., & Chen, Z. (2025). Investigating Changes in the Physicochemical and Structural–Functional Properties of Soybean Milk Under an Industry-Scale Microfluidization System. *Food and Bioprocess Technology*, 1–15. <https://doi.org/10.1007/s11947-025-03762-4>
- Behera, S., Xu, Z., Luoni, L., Bonza, M. C., Doccua, F. G., de Michelis, M. I., Morris, R. J., Schwarzländer, M., & Costa, A. (2018). Cellular Ca²⁺ signals generate defined pH signatures in plants. *Plant Cell*, 30(11). <https://doi.org/10.1105/tpc.18.00655>

- Bemfeito, C. M., Guimarães, A. S., de Oliveira, A. L., Andrade, B. F., de Paula, L. M. A. F., & Pimenta, C. J. (2021). Do consumers perceive sensory differences by knowing information about coffee quality? *LWT*, 138, 110778. <https://doi.org/10.1016/j.lwt.2020.110778>
- Bertelsen, A. S., Laursen, A., Knudsen, T. A., Møller, S., & Kidmose, U. (2018). Bitter taste masking of enzyme-treated soy protein in water and bread. *Journal of the Science of Food and Agriculture*, 98(10). <https://doi.org/10.1002/jsfa.8903>
- Bi, W., Zhao, G., Zhou, Y., Xia, X., Wang, J., Wang, G., Lu, S., He, W., Bi, T., & Li, J. (2022). Metabonomics analysis of flavonoids in seeds and sprouts of two Chinese soybean cultivars. *Scientific Reports*, 12(1). <https://doi.org/10.1038/s41598-022-09408-1>
- Blasius, J., & Schmitz, A. (2015). Correspondence Analysis, History of. In *International Encyclopedia of the Social & Behavioral Sciences: Second Edition*. <https://doi.org/10.1016/B978-0-08-097086-8.03215-3>
- Borgo, J., Laurella, L. C., Martini, F., Catalán, C. A. N., & Sülsen, V. P. (2021). Stevia genus: Phytochemistry and biological activities update. *Molecules*, 26(9), 2733. <https://doi.org/10.3390/molecules26092733>
- Bowman, S. A. (2017). Added sugars: Definition and estimation in the USDA Food Patterns Equivalents Databases. *Journal of Food Composition and Analysis*, 64, 64–67. <https://doi.org/10.1016/j.jfca.2017.07.013>
- Bueno, D. B., da Silva Júnior, S. I., Seriani Chiarotto, A. B., Cardoso, T. M., Neto, J. A., Lopes dos Reis, G. C., Glória, M. B. A., & Tavano, O. L. (2020). The germination of soybeans increases the water-soluble components and could generate innovations in soy-based foods. *LWT*, 117. <https://doi.org/10.1016/j.lwt.2019.108599>
- Cahyani, A., Katrin, V. A., Wandika, S. N., Muftiana, E., & ... (2023). Soya Puding Rabani: Inovasi Puding Berbahan Dasar Susu Kedelai Sebagai Sumber Protein Nabati Untuk Mendukung Upaya Program Penekanan Angka Stunting. *Educommunity Jurnal ...*, 1(2), 83–88.
- Calcaterra, V., Cena, H., Magenes, V. C., Vincenti, A., Comola, G., Beretta, A., di Napoli, I., & Zuccotti, G. (2023). Sugar-Sweetened Beverages and Metabolic Risk in Children and Adolescents with Obesity: A Narrative Review. *Nutrients*, 15(3), 933–943. <https://doi.org/10.3390/nu15030702>
- Cao, J., Gu, F., Luo, Q., Liu, Z., & Wang, F. (2018). Correlation between changes in glutamate decarboxylase activity and γ -aminobutyric acid and glutamic acid contents in germinated brown rice. *Food Science*, 39(16), 47–52. <https://doi.org/https://doi.org/10.7506/spkx1002-6630-201816008>
- Cao, Z., Chen, H., Zhou, C., Gong, M., Li, Y., Shao, Y., Wu, Y., & Bao, D. (2024). Exogenous γ -Aminobutyric Acid (GABA) Enhanced Response to Abiotic Stress in *Hypsizygus marmoreus* by Improving Mycelial Growth and Antioxidant Capacity. *Metabolites*, 14(2). <https://doi.org/10.3390/metabo14020094>

- Cardello, A. v., Llobell, F., Jin, D., Ryan, G. S., & Jaeger, S. R. (2024). Sensory drivers of liking, emotions, conceptual and sustainability concepts in plant-based and dairy yoghurts. *Food Quality and Preference*, 113. <https://doi.org/10.1016/j.foodqual.2023.105077>
- Carrera-Lanestosa, A., Moguel-Ordóñez, Y., & Segura-Campos, M. (2017). Stevia rebaudiana Bertoni: A Natural Alternative for Treating Diseases Associated with Metabolic Syndrome. *Journal of Medicinal Food*, 20(10), 933–943. <https://doi.org/10.1089/jmf.2016.0171>
- Chavarín-Martínez, C. D., Gutiérrez-Dorado, R., Perales-Sánchez, J. X. K., Cuevas-Rodríguez, E. O., Milán-Carrillo, J., & Reyes-Moreno, C. (2019). Germination in Optimal Conditions as Effective Strategy to Improve Nutritional and Nutraceutical Value of Underutilized Mexican Blue Maize Seeds. *Plant Foods for Human Nutrition*, 74(2). <https://doi.org/10.1007/s11130-019-00717-x>
- Chen, D. L., Luo, X. P., Yuan, Z., Bai, M. J., & Hu, X. W. (2020). Seed dormancy release of *Halenia elliptica* in response to stratification temperature, duration and soil moisture content. *BMC Plant Biology*, 20(1), 352. <https://doi.org/10.1186/s12870-020-02560-8>
- Chen, Y., & Chang, S. K. C. (2015). Macronutrients, Phytochemicals, and Antioxidant Activity of Soybean Sprout Germinated with or without Light Exposure. *Journal of Food Science*, 80(6). <https://doi.org/10.1111/1750-3841.12868>
- Choi, Y., Wong, R. R., Cha, Y. K., Park, T. H., Kim, Y., & Chung, S.-J. (2024). Sweet–bitter taste interactions in binary mixtures of sweeteners: Relationship between taste receptor activities and sensory perception. *Food Chemistry*, 459, 140343. <https://doi.org/10.1016/j.foodchem.2024.140343>
- Ciptasari, R., & Nurrahman, N. (2020). SIFAT FISIK, SIFAT ORGANOLEPTIK DAN AKTIVITAS ANTIOKSIDAN SUSU BUBUK KEDELAI HITAM BERDASARKAN KONSENTRASI TWEEN 80. *Jurnal Pangan Dan Gizi*, 10(1), 45–49. <https://doi.org/10.26714/jpg.10.1.2020.49-63>
- Cornelia, M., & Lessy, S. T. (2018). Utilization of Edamame (*Glycine max* (L.) Merr) And Red Bean (*Phaseolus vulgaris*) As A Functional Beverage. *Acta Chimica Asiana*, 1(1), 11–16. <https://doi.org/10.29303/aca.v1i1.4>
- Cosson, A., Souchon, I., Richard, J., Descamps, N., & Anne, S. E. (2020). Using multiple sensory profiling methods to gain insight into temporal perceptions of pea protein-based formulated foods. *Foods*, 9(8), 988. <https://doi.org/10.3390/foods9080969>
- Curi, P. N., Carvalho, C. dos S., Salgado, D. L., Pio, R., Pasqual, M., de Souza, F. B. M., & de Souza, V. R. (2017). Influence of different types of sugars in physalis jellies. *Food Science and Technology (Brazil)*, 37(3), 349. <https://doi.org/10.1590/1678-457x.08816>
- Darmanin, M., Kozak, D., de Oliveira Mallia, J., Blundell, R., Gatt, R., & Valdramidis, V. P. (2020). Generation of plasma functionalized water:

- Antimicrobial assessment and impact on seed germination. *Food Control*, 113. <https://doi.org/10.1016/j.foodcont.2020.107168>
- de Figueiredo Muniz, V. R. G., Ribeiro, I. S., Beckmam, K. R. L., & de Godoy, R. C. B. (2023). The impact of color on food choice. In *Brazilian Journal of Food Technology* (Vol. 26). <https://doi.org/10.1590/1981-6723.08822>
- de Oliveira, I., Santos-Buelga, C., Aquino, Y., Barros, L., & Heleno, S. A. (2025). New frontiers in the exploration of phenolic compounds and other bioactives as natural preservatives. *Food Bioscience*, 68, 106571. <https://doi.org/https://doi.org/10.1016/j.fbio.2025.106571>
- Dhankhar, J., & Kundu, P. (2021). Stability Aspects of Non-Dairy Milk Alternatives. In *Milk Substitutes - Selected Aspects*. <https://doi.org/10.5772/intechopen.96376>
- Dias, S. (2023). Honey as a Sugar Alternative in Food Manufacturing and its Health Benefits. *International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal*, 3(5), 199–202. www.ijarsct.co.in
- Dickinson, E. (2018). On the road to understanding and control of creaminess perception in food colloids. In *Food Hydrocolloids* (Vol. 77). <https://doi.org/10.1016/j.foodhyd.2017.10.014>
- Dimitrellou, D., Moschakis, T., & Kandyliis, P. (2025). Impact of Apple Pulp on Textural Characteristics, Microstructure, Volatile Profile, and Sensory Acceptance of Yogurts. *Foods*, 14(14). <https://doi.org/10.3390/foods14142453>
- Ding, Y. Y., Li, J., Wu, C., Yang, Y., & Gu, Z. (2020). The relationship between the chemical composition and the quality of the soybean film during peeling process. *Food Science and Nutrition*, 8(9). <https://doi.org/10.1002/fsn3.1791>
- do Nascimento, L. Á., Heberle, T., Wang, Y.-J., Vanier, N. L., Elias, M. C., Mesko, M. F., & Colussi, R. (2024). Rice grain germination: A review of its impact on technological properties and development of new food products. *Trends in Food Science & Technology*, 150, 104600. <https://doi.org/https://doi.org/10.1016/j.tifs.2024.104600>
- Dragomir, N., Grigore, D. M., & Pogurschi, E. N. (2025). Beyond Sugar: A Holistic Review of Sweeteners and Their Role in Modern Nutrition. In *Foods* (Vol. 14, Issue 18). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/foods14183182>
- Elfriede, D. P., Arifin, Y., & Hidayat, L. F. (2024). Chemical Analysis of Arenga Palm Sugar and Its Relationship with Consumer Acceptability. *BIO Web of Conferences*, 98, 03001. <https://doi.org/10.1051/bioconf/20249803001>
- Fan, L., Duan, Y., Huang, Z., Zhao, D., Zhao, L., He, W., Zhang, X., Li, M., Lin, Y., & Chen, Y. (2024). Storage stability and shelf-life of soymilk obtained via repeated boiling and filtering: A predictive model. *Food Science and*

- Nutrition*, 12(3), 1973–1982. <https://doi.org/10.1002/fsn3.3kecambah>
segar dengan gula
- Fatemi, S. H., & Folsom, T. D. (2015). GABA receptor subunit distribution and FMRP-mGluR5 signaling abnormalities in the cerebellum of subjects with schizophrenia, mood disorders, and autism. In *Schizophrenia Research* (Vol. 167, Issues 1–3). <https://doi.org/10.1016/j.schres.2014.10.010>
- Fathurohman, M., Aprillia, A. Y., Pratita, A. T. K., & Tenderly, V. F. (2020). Diversifikasi Produksi Susu Kedelai Berbasis Mikroalga Autotrofik Guna Meningkatkan Indeks Nutrasetikal. *Jurnal Aplikasi Teknologi Pangan*, 9(2), 70–76. <https://doi.org/10.17728/jatp.6150>
- Fathurrohman, M. F., Rezaldi, F., Safitri, E., Setyaji, D. Y., Rahmi Fadhilah, F., Fadillah, M. F., Hidayanto, F., & Kolo, Y. (2022). Analisis Potensi Fermentasi Kombucha Bunga Telang (*Clitoria ternatea* L.) dengan Konsentrasi Gula Stevia sebagai Inhibitor Pertumbuhan Bakteri Patogen. *Jurnal Jeumpa*, 9(2), 729–738. <https://doi.org/10.33059/jj.v9i2.6357>
- Fekete, D., Balázs, G., Böhm, V., Várvolgyi, E., & Kappel, N. (2018). Sensory evaluation and electronic tongue for sensing grafted and non-grafted watermelon taste attributes. *Acta Alimentaria*, 47(4), 487–494. <https://doi.org/10.1556/066.2018.47.4.12>
- Ferdiawan, N., Nurwantoro, & Dwiloka, B. (2019). Pengaruh Lama Waktu Germinasi terhadap Sifat Fisik dan Sifat Kimia Tepung Kacang Tolo (*Vigna unguiculata* L). *Jurnal Teknologi Pangan*, 3(2), 349–354.
- Fibri, D. L. N., & Frøst, M. B. (2020). Indonesian millennial consumers' perception of tempe – And how it is affected by product information and consumer psychographic traits. *Food Quality and Preference*, 80, 103798. <https://doi.org/10.1016/j.foodqual.2019.103798>
- Fidler Mis, N., Braegger, C., Bronsky, J., Campoy, C., Domellöf, M., Embleton, N. D., Hojsak, I., Hulst, J., Indrio, F., Lapillonne, A., Mihatsch, W., Molgaard, C., Vora, R., & Fewtrell, M. (2017). Sugar in Infants, Children and Adolescents: A Position Paper of the European Society for Paediatric Gastroenterology, Hepatology and Nutrition Committee on Nutrition. *Journal of Pediatric Gastroenterology and Nutrition*, 65(6), 681–696. <https://doi.org/10.1097/MPG.0000000000001733>
- Floren, H. K., Sischo, W. M., Crudo, C., & Moore, D. A. (2016). Technical note: Use of a digital and an optical Brix refractometer to estimate total solids in milk replacer solutions for calves. *Journal of Dairy Science*, 99(9). <https://doi.org/10.3168/jds.2015-10834>
- Franklin, L. M., Chapman, D. M., King, E. S., Mau, M., Huang, G., & Mitchell, A. E. (2017). Chemical and sensory characterization of oxidative changes in roasted almonds undergoing accelerated shelf life. *Journal of Agricultural and Food Chemistry*, 65(12). <https://doi.org/10.1021/acs.jafc.6b05357>
- Fuliyana, & Maria. (2022). Preferensi Konsumen terhadap Produk Olahan Ikan (Studi pada Industri Rumah Tangga Paguyuban Rawa Pesona).

Agrikultura, 33(2), 161–169.
<https://doi.org/10.24198/agrikultura.v33i2.39210>

- Future Market Insights. (2024). *Soy Milk Market Size, Growth & Trends 2024-2034*. <https://www.futuremarketinsights.com/reports/soy-milk-market>
- Gainutdinov, I., Mikhailova, L., Avkhadiev, F., & Asadullin, N. (2020). Beet production efficiency and ways to increase it in case of negative market conditions in the commodity market. *BIO Web of Conferences*, 27. <https://doi.org/10.1051/bioconf/20202700108>
- Gallego, M., Arnal, M., Barat, J. M., & Talens, P. (2021). Effect of cooking on protein digestion and antioxidant activity of different legume pastes. *Foods*, 10(1), 47. <https://doi.org/10.3390/foods10010047>
- Gan, R. Y., Lui, W. Y., Wu, K., Chan, C. L., Dai, S. H., Sui, Z. Q., & Corke, H. (2017). Bioactive compounds and bioactivities of germinated edible seeds and sprouts: An updated review. *Trends in Food Science and Technology*, 59, 1–14. <https://doi.org/10.1016/j.tifs.2016.11.010>
- Gere, A. (2022). Penalty analysis is an efficient tool for food product development: Case study with lemonades. *Journal on Processing and Energy in Agriculture*, 26(3–4). <https://doi.org/10.5937/jpea26-41654>
- Ghani, M., Kulkarni, K. P., Song, J. T., Shannon, J. G., & Lee, J.-D. (2016). Soybean Sprouts: A Review of Nutrient Composition, Health Benefits and Genetic Variation. *Plant Breeding and Biotechnology*, 4(4), 398–412. <https://doi.org/10.9787/pbb.2016.4.4.398>
- Giacalone, D., Clausen, M. P., & Jaeger, S. R. (2022). Understanding barriers to consumption of plant-based foods and beverages: insights from sensory and consumer science. In *Current Opinion in Food Science* (Vol. 48). <https://doi.org/10.1016/j.cofs.2022.100919>
- Gozalli, M., Nurhayati, & Nafi, A. (2015). KARATERISTIK TEPUNG KEDELAI DARI JENIS IMPOR DAN LOKAL (VARIETAS ANJASMORO DAN BALURAN) DENGAN PERLAKUAN PEREBUSAN DAN TANPA PEREBUSAN. *Jurnal Agroteknologi*, 9(2), 191–200.
- Grand View Research. (2023). *Plant-based Beverages Market Size, Share & Trends Analysis*. <https://www.grandviewresearch.com/industry-analysis/e-commerce-market>
- Grasso, S., Monahan, F. J., Hutchings, S. C., & Brunton, N. P. (2017). The effect of health claim information disclosure on the sensory characteristics of plant sterol-enriched turkey as assessed using the Check-All-That-Apply (CATA) methodology. *Food Quality and Preference*, 57, 69–78. <https://doi.org/10.1016/j.foodqual.2016.11.013>
- Gu, M., Kim, H.-W., Kim, B. H., Kim, I.-H., Hyun, T. K., Lee, H., & Lee, J. (2025). Changes in Phytochemical Content and Antioxidant Activities of Soybean Oil during Germination. *Journal of Oleo Science*, 74(3), 287–296. <https://doi.org/10.5650/jos.ess24239>

- Gulkirpik, E., Donnelly, A., Nowakunda, K., Liu, K., & Andrade Laborde, J. E. (2023). Evaluation of a low-resource soy protein production method and its products. *Frontiers in Nutrition*, 10, 1067621. <https://doi.org/10.3389/fnut.2023.1067621>
- Gulkirpik, E., Toc, M., Atuna, R. A., Amagloh, F. K., & Andrade Laborde, J. E. (2021). Evaluation of oxidative stability of full fat soybean flour in storage and sensory quality of tuo zaafi-enriched with soy flour as influenced by traditional processing methods. *Foods*, 10(9). <https://doi.org/10.3390/foods10092192>
- Gunathunga, C., Senanayake, S., Jayasinghe, M. A., Brennan, C. S., Truong, T., Marapana, U., & Chandrapala, J. (2024). Germination effects on nutritional quality: A comprehensive review of selected cereals and pulses changes. In *Journal of Food Composition and Analysis* (Vol. 128). <https://doi.org/10.1016/j.jfca.2024.106024>
- Guo, Z., Gong, J., Luo, S., Zuo, Y., & Shen, Y. (2023). Role of Gamma-Aminobutyric Acid in Plant Defense Response. In *Metabolites* (Vol. 13, Issue 6). <https://doi.org/10.3390/metabo13060741>
- Günel-Köroğlu, D., Esatbeyoglu, T., & Capanoglu, E. (2025). Effect of germination on the phenolic compounds: content, bioavailability, food applications, and health benefits. *Journal of Food Measurement and Characterization*. <https://doi.org/10.1007/s11694-025-03392-6>
- Han, X., & Appelbaum, R. P. (2018). China's science, technology, engineering, and mathematics (STEM) research environment: A snapshot. *PLoS ONE*, 13(4). <https://doi.org/10.1371/journal.pone.0195347>
- Handa, V., Kumar, V., Panghal, A., Suri, S., & Kaur, J. (2017). Effect of soaking and germination on physicochemical and functional attributes of horsegram flour. *Journal of Food Science and Technology*, 54(13). <https://doi.org/10.1007/s13197-017-2892-1>
- Hanifa, Z. N., Hunaefi, D., & Nurtama, B. (2022). Consumers' Preference of Ready to Drink Coffee Food Pairing: Check-All-That-Apply (CATA) Approach. *Jurnal Penelitian Tanaman Industri*, 27(2), 69–79. <https://doi.org/10.21082/jlitri.v27n2.2021.69-79>
- Hardiansyah, A., & Kusuma, H. H. (2022). Optimalisasi Kualitas Organoleptik Dan Aktivitas Antioksidan Kefir Susu Kambing Dengan Penambahan Madu Lokal Bunga Randu. *Journal of Nutrition College*, 11(4), 278–284. <https://doi.org/10.14710/jnc.v11i4.34506>
- Harisha, R., Singh, S. K., Ahlawat, A. K., Narwal, S., Jaiswal, J. P., Singh, J. B., Kumar, R. R., Singhal, S., Balakrishnan, A. P., Shukla, P., Bhavya, B., Agrawal, A., Singh, S. K., & Mahendru-Singh, A. (2023). Elucidating the effects on polyphenol oxidase activity and allelic variation of polyphenol oxidase genes on dough and whole wheat-derived product color parameters. *International Journal of Food Properties*, 26(2). <https://doi.org/10.1080/10942912.2023.2252196>

- Harlita, T. D., Azhari, H., & Risvina, P. (2023). Pengaruh Suhu dan Lama Simpan Terhadap Angka Lempeng Total Pada Susu Kedelai Home Industry. *Sains Medisina*, 1(3), 154–158.
- Hartanti, D. Y., & Sutrawati, M. (2021). UPAYA PEMBERDAYAAN MASYARAKAT MELALUI PRODUKSI DAN PEMASARAN SUSU KEDELA. *TRIBUTE: JOURNAL OF COMMUNITY SERVICES*, 2(2), 71–77. <https://doi.org/10.33369/tribute.v2i2.18082>
- Hasan, M. M., Alabdallah, N. M., Alharbi, B. M., Waseem, M., Yao, G., Liu, X. D., El-gawad, H. G. A., El-yazied, A. A., Ibrahim, M. F. M., Jahan, M. S., & Fang, X. W. (2021). Gaba: A key player in drought stress resistance in plants. In *International Journal of Molecular Sciences* (Vol. 22, Issue 18). <https://doi.org/10.3390/ijms221810136>
- Hasbulloh, S. T., Pertiwi, S. R. R., & Puspasari, E. (2023). Profil dan Emosional Sensori Produk Minuman Rasa Jeruk Full Sugar, Less Sugar dan Suga Free dengan Metode Rate All That Apply (RATA) dan Check All That Apply (CATA). *Karimah Tauhid*, 2(6), 2805–2819.
- Hasdar, M., Wadli, W., & Meilani, D. (2021). Rancangan Acak Lengkap Dan Rancangan Acak Kelompok Pada pH Gelatin Kulit Domba Dengan Pretreatment Larutan NaOH. *Journal of Technology and Food Processing (JTFFP)*, 1(1), 17–23. <https://doi.org/10.46772/jtffp.v1i01.338>
- Hashem, A., Tabassum, B., & Fathi Abd_Allah, E. (2019). *Bacillus subtilis*: A plant-growth promoting rhizobacterium that also impacts biotic stress. In *Saudi Journal of Biological Sciences* (Vol. 26, Issue 6). <https://doi.org/10.1016/j.sjbs.2019.05.004>
- Hayati, R. N., Rohmah, I. A., Sa'adah, K., Hikmawati, S. N., & Muflihati, I. (2024). Pembuatan Yoghurt Bubuk Susu Kedelai (*Glycine max* L.Merill) Menggunakan Metode Foam Mat Drying dengan Penambahan Maltodekstrin Sebagai Bahan Penyalut. *METANA*, 20(1), 27–39. <https://doi.org/10.14710/metana.v20i1.58805>
- Heli, Z., Hongyu, C., Dapeng, B., Yee Shin, T., Yejun, Z., Xi, Z., & Yingying, W. (2022). Recent advances of γ -aminobutyric acid: Physiological and immunity function, enrichment, and metabolic pathway. In *Frontiers in Nutrition* (Vol. 9). <https://doi.org/10.3389/fnut.2022.1076223>
- Heo, J., Choi, K. S., Wang, S., Adhikari, K., & Lee, J. (2019). Cold brew coffee: Consumer acceptability and characterization using the check-all-that-apply (CATA) Method. *Foods*, 8(8), 344. <https://doi.org/10.3390/foods8080344>
- Heriansyah, P., Jumin, H. B., & Maizar, M. (2020). In-Vitro Rooting Induction On The Embryo Somatic Of *Dendrobium* Species From Riau Province Indonesia. *Paspalum: Jurnal Ilmiah Pertanian*, 8(2), 93–98. <https://doi.org/10.35138/paspalum.v8i2.190>
- Hesthiati, E., Nugroho, A. A. D., Sukartono, I. G. S., & Qomariyah, S. F. N. (2024). Formula Kedelai Kombinasi Kacang Tolo dengan Penambahan

- CMC Terhadap Mutu Susu Kedelai-Tolo. *Jurnal Ilmiah Respati*, 05(2), 226–237. <https://ejournal.urindo.ac.id/index.php/pertanian>
- Hu, M., Du, X., Liu, G., Zhang, S., Wu, H., & Li, Y. (2022). Germination improves the functional properties of soybean and enhances soymilk quality. *International Journal of Food Science and Technology*, 57(7), 3982–3902. <https://doi.org/10.1111/ijfs.15461>
- Hunaefi, D., & Marusiva, W. (2021a). Profil Sensori Kopi Instan 3 in 1 dengan Metode Emotional-Sensory Mapping, Flash Profile, dan Cata (Check-All-That-Appl). *Jurnal Teknologi Dan Industri Pangan*, 32(2), 169–180. <https://doi.org/10.6066/jtip.2021.32.2.169>
- Hunaefi, D., Khairunnisa, W., Sholehuddin, Z., & Adawiyah, D. (2020). *Sensory Profile of Commercial Coffee Products using QDA (Quantitative Descriptive Analysis), Flash Profile, and CATA (Check-All-That-Appl) Methods*. <https://doi.org/10.5220/0009977500200030>
- Iatridi, V., Hayes, J. E., & Yeomans, M. R. (2019). Reconsidering the classification of sweet taste liker phenotypes: A methodological review. In *Food Quality and Preference* (Vol. 72). <https://doi.org/10.1016/j.foodqual.2018.09.001>
- Ibroham, M., Jamilatun, S., & Ika, D. K. (2022). A Review: Potensi Tumbuhan-Tumbuhan Di Indonesia Sebagai Antioksidan Alami. *Seminar Nasional Penelitian LPPM UMJ*.
- Idrus, H. A., & Fuadiyah, S. (2021). Uji Coba Imbibisi pada Kacang Kedelai (*Glycine max*) dan Kacang Hijau (*Vigna radiata*). *Prosiding SEMNAS BIO 2021*, 1(4).
- Ishaq, S. M., & Harsita, P. A. (2024). Kualitas Fisikokimia Dan Organoleptik Yoghurt Dengan Penambahan Sari Daun Stevia (Stevia Rebaudiana). *Bulletin of Applied Animal Research*, 6(1), 51–67. <https://doi.org/10.36423/baar.v6i1.1553>
- Ismawati, N., Nurwantoro, & Pramono, Y. B. (2016). Nilai pH, Total Padatan Terlarut, dan Sifat Sensoris Yoghurt dengan Penambahan Ekstrak Bit (Beta vulgaris L.). *Jurnal Aplikasi Teknologi Pangan*, 5(3), 89–93. <https://doi.org/10.17728/jatp.181>
- Jaeger, S. R., Beresford, M. K., Paisley, A. G., Antúnez, L., Vidal, L., Cadena, R. S., Giménez, A., & Ares, G. (2015). Check-all-that-apply (CATA) questions for sensory product characterization by consumers: Investigations into the number of terms used in CATA questions. *Food Quality and Preference*, 42. <https://doi.org/10.1016/j.foodqual.2015.02.003>
- Jaeger, S. R., Swaney-Stueve, M., Chheang, S. L., Hunter, D. C., Pineau, B., & Ares, G. (2018). An assessment of the CATA-variant of the EsSense Profile®. *Food Quality and Preference*, 68, 360–370. <https://doi.org/10.1016/j.foodqual.2018.04.005>
- Jariyah, Hidayat, A. W., & Munarko, H. (2024). Sensory profile characterization of non-wheat flour biscuits using Rate-All That-Appl (RATA) and emotional

- sensory mapping (ESM) method. *Future Foods*, 9, 100281. <https://doi.org/10.1016/j.fufo.2023.100281>
- Jewett, B. E., & Sharma, S. (2023). *Physiology, GABA*. In *StatPearls*. StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK513311/>
- Jiang, S., Cai, W., & Xu, B. (2013). Food Quality Improvement of Soy Milk Made from Short-Time Germinated Soybeans. *Foods*, 2(2), 198–212. <https://doi.org/10.3390/foods2020198>
- Ju, S., Song, S., Lee, J., Hwang, S., Lee, Y., Kwon, Y., & Lee, Y. (2021). Development of nano soy milk through sensory attributes and consumer acceptability. *Foods*, 10(12). <https://doi.org/10.3390/foods10123014>
- Juliawati, Puryani, I., Tasliati, Sulaiman, & Jauhari. (2022). TEKNIK PEMBUATAN SUSU KEDELAI. *COVIT (Community Service of Health)*, 2(2). <https://doi.org/10.31004/covit.v2i2.10778>
- Kaczmarska, K. T., Chandra-Hioe, M. v., Frank, D., & Arcot, J. (2018). Aroma characteristics of lupin and soybean after germination and effect of fermentation on lupin aroma. *LWT*, 87. <https://doi.org/10.1016/j.lwt.2017.08.080>
- Kaur, S., & Ubeyitogullari, A. (2024). The impact of supercritical carbon dioxide processing on the aroma and physicochemical properties of soybean flour. *Future Foods*, 10, 100476. <https://doi.org/https://doi.org/10.1016/j.fufo.2024.100476>
- Khan, T. A., & Sievenpiper, J. L. (2016). Controversies about sugars: results from systematic reviews and meta-analyses on obesity, cardiometabolic disease and diabetes. *European Journal of Nutrition*, 55(Suppl 2), 25–43. <https://doi.org/10.1007/s00394-016-1345-3>
- Khasanah, F. N., Rosida, D. F., & Anggreini, R. A. (2022). Physical Characteristics of Golden Apple Snail (*Pomacea Canaliculata*) Sauce Using Bromelain and Calotropin Enzym. *International Journal of Eco-Innovation in Science and Engineering*, 3(02). <https://doi.org/10.33005/ijeise.v3i02.69>
- Kim, Y. H., & Hong, J. H. (2023). Effects of aroma–taste interaction on the sensory attributes of rebaudiosides in soymilk and milk. *Journal of the Science of Food and Agriculture*, 103(15), 7445–7454. <https://doi.org/10.1002/jsfa.12824>
- Krishnan, M., & Lourdes, M. (2022). Enumeration of Fungal Isolates and Screening of Mycotoxigenic Species in Palm Sugar Samples by Polyphasic Identification. *International Journal of Advanced Health Science and Technology*, 2(5), 355–363. <https://doi.org/10.35882/ijahst.v2i5.149>
- Krisnawati, A. (2017). Kedelai sebagai Sumber Pangan Fungsional. *Iptek Tanaman Pangan*, 12(1), 57–65.
- Kumala, F. D., Setyaningsih, S., & Ratnasari, D. (2020). Nilai Gizi Dan Daya Terima Es Krim Modisco Susu Kedelai Dengan Penambahan Buah Untuk

- Penanganan Anak Gizi Buruk. *Jurnal Ilmiah Gizi Dan Kesehatan (JIGK)*, 2(1), 28–37. <https://doi.org/10.46772/jigk.v2i01.257>
- Kumar, A., Choudhary, A., Kaur, H., Javed, M., & Mehta, S. (2021). Plant Performance and Defensive Role of γ -Gamma Amino Butyric Acid Under Environmental Stress. In *Plant Performance Under Environmental Stress* (pp. 277–299). Springer International Publishing. https://doi.org/10.1007/978-3-030-78521-5_11
- Kunz, T., & Fuchs, M. (2019a). Dynamic Instructions in Check-All-That-Apply Questions. *Social Science Computer Review*, 37(1), 104–118. <https://doi.org/10.1177/0894439317748890>
- Kunz, T., & Fuchs, M. (2019b). Dynamic Instructions in Check-All-That-Apply Questions. *Social Science Computer Review*, 37(1), 104–118. <https://doi.org/10.1177/0894439317748890>
- Kurniati, A. D. R. (2021). *PENGARUH PENAMBAHAN TEPUNG KEDELAI (Glycine max) DAN KACANG METE (Anacardium occidentale) TERHADAP MUTU FOOD BAR BERBASIS JEWAWUT (Setaria italica)*.
- Kurniawan, T., Jayanudin, Kustiningsih, I., & Adha Firdaus, M. (2018). Palm Sap Sources, Characteristics, and Utilization in Indonesia. *Journal of Food and Nutrition Research*, 6(9), 590–596. <https://doi.org/10.12691/jfnr-6-9-8>
- Laila, K. N., Mashitoh, S., & Puspytasari, H. H. (2024). Pengolahan Kedelai menjadi Susu Kedelai Herbal Sebagai Upaya Peningkatan Ekonomi Keluarga di Desa Kedungbetik. *BERNAS: Jurnal Pengabdian Kepada Masyarakat*, 5(2), 1389–1395. <https://doi.org/10.31949/jb.v5i2.8687>
- Lan, H., Luo, X., Xu, D., Cui, K., Li, L., Li, C., Qi, H., & Liu, Q. (2025). Analysis of flavor formation and metabolite changes during production of Double-Layer Steamed Milk Custard made from buffalo milk. *PLOS One*, 20(9), e0331277. <https://doi.org/10.1371/journal.pone.0331277>
- Lastari, A. N., Anandito, R. B. K., & Siswanti. (2016). Pengaruh konsentrasi Natrium Metabisulfit ($\text{Na}_2\text{S}_2\text{O}_5$) Dan Lama Perendaman Terhadap Karakteristik Tepung Kecambah Kedelai. *Jurnal Teknosains Pangan*, 5(2), 1–8.
- Laxmi, G., Chaturvedi, N., & Richa, S. (2015). The Impact of Malting on Nutritional Composition of Foxtail Millet, Wheat and Chickpea. *Journal of Nutrition & Food Sciences*, 05(05), 1–3. <https://doi.org/10.4172/2155-9600.1000407>
- Le, P. H., Diep, T. T., Nguyen, N. T. A., Tran, K. D., Tran, T. T. M., & Le, T. T. (2021). Evaluation of physicochemical properties of soymilk prepared from germinated soybean. *Journal of Food Processing and Preservation*, 45(12), e16070.
- Li, E., Dhital, S., & Hasjim, J. (2014). Effects of grain milling on starch structures and flour/starch properties. In *Starch/Staerke* (Vol. 66, Issues 1–2). <https://doi.org/10.1002/star.201200224>

- Liang, Q., Deng, H. P., He, P., Fang, W., Jiang, H., & Luo, T. (2020). Effects of plant-derived smoke on seed germination of species common in subtropical China. *Applied Ecology and Environmental Research*, 18(4), 5175. https://doi.org/10.15666/aeer/1804_51755185
- Liemantara, M., & Romulo, A. (2025). Various germination times affect the physical and chemical properties of tolo bean sprout milk. *IOP Conference Series: Earth and Environmental Science*, 1488(1), 012110. <https://doi.org/10.1088/1755-1315/1488/1/012110>
- Liepa, M., Zagorska, J., Galoburda, R., Straumite, E., Kruma, Z., & Sabovics, M. (2017). *Sensory properties of high-pressure-treated milk*. <https://doi.org/10.22616/foodbalt.2017.032>
- Lim, S. H., Chin, N. L., Sulaiman, A., Tay, C. H., & Wong, T. H. (2022). Sensory Analysis for Cow Milk Product Development Using High Pressure Processing (HPP) in the Dairy Industry. *Foods*, 11(9). <https://doi.org/10.3390/foods11091233>
- Lima, C. C., Gurgel, E. S. C., & Borges, E. E. de L. e. (2021). Antioxidant enzyme activity in germination of dalbergia spruceana seeds under different temperatures. *Journal of Seed Science*, v.43, e202143006. <https://doi.org/10.1590/2317-1545v43244385>
- Lin, Y. X., Xu, H. J., Yin, G. K., Zhou, Y. C., Lu, X. X., & Xin, X. (2022). Dynamic Changes in Membrane Lipid Metabolism and Antioxidant Defense During Soybean (*Glycine max* L. Merr.) Seed Aging. *Frontiers in Plant Science*, 13. <https://doi.org/10.3389/fpls.2022.908949>
- Lioffi, L. L., Heckler, C., & Sant'Ana, A. S. (2024). High-pressure carbon dioxide (HPCD): Impact on the quality of fruit juices and inactivation of spores and enzymes. *Food Research International*, 198, 115316. <https://doi.org/https://doi.org/10.1016/j.foodres.2024.115316>
- Listyaningrum, C. E., Affandi, D. R., & Zaman, M. Z. (2018). PENGARUH PALM SUGAR SEBAGAI PENGGANTI SUKROSA TERHADAP KARAKTERISTIK SNACK BAR TEPUNG KOMPOSIT (UBI UNGU, JAGUNG KUNING DAN KACANG TUNGGAK) SEBAGAI SNACK RENDAH KALORI. *Jurnal Teknologi Hasil Pertanian*, 11(1), 53–62. <https://doi.org/10.20961/jthp.v11i1.29096>
- Liu, S., Sun, H., Ma, G., Zhang, T., Wang, L., Pei, H., Li, X., & Gao, L. (2022). Insights into *flavor* and key influencing factors of Maillard reaction products: A recent update. In *Frontiers in Nutrition* (Vol. 9). <https://doi.org/10.3389/fnut.2022.973677>
- Lu, J., Cheng, J. H., Xu, Y., Chen, Y., Qian, K., & Zhang, Y. (2023). Effect of germination on nutritional quality of soybean. *Food Science and Technology*, 43, e008323. <https://doi.org/10.1590/fst.008323>
- Luo, X., Wang, Y., Li, Q., Wang, D., Xing, C., Zhang, L., Xu, T., Fang, F., & Wang, F. (2018). Accumulating mechanism of γ -aminobutyric acid in soybean (*Glycine max* L.) during germination. *International Journal of Food Science and Technology*, 53(1). <https://doi.org/10.1111/ijfs.13563>

- Lyu, B., Wang, F., Li, Y., Quek, S. Y., & Yu, H. (2023). Editorial: Innovative high value-added processing of soybean and its by-products. *Frontiers in Nutrition*, 10, 1240249. <https://doi.org/10.3389/fnut.2023.1240249>
- Ma, Y., Wang, P., Gu, Z., Sun, M., & Yang, R. (2022). Effects of germination on physio-biochemical metabolism and phenolic acids of soybean seeds. *Journal of Food Composition and Analysis*, 112. <https://doi.org/10.1016/j.jfca.2022.104717>
- Maetens, E., Hettiarachchy, N., Dewettinck, K., Horax, R., Moens, K., & Moseley, D. O. (2017). Physicochemical and nutritional properties of a healthy snack chip developed from germinated soybeans. *LWT*, 84, 505–510. <https://doi.org/10.1016/j.lwt.2017.06.020>
- Mafe, A. N., Edo, G. I., Makia, R. S., Joshua, O. A., Akpogheli, P. O., Gaaz, T. S., Jikah, A. N., Yousif, E., Isoje, E. F., Igbuku, U. A., Ahmed, D. S., Essaghah, A. E. A., & Umar, H. (2024). A review on food spoilage mechanisms, food borne diseases and commercial aspects of food preservation and processing. *Food Chemistry Advances*, 5, 100852. <https://doi.org/10.1016/j.focha.2024.100852>
- Mahato, D. K., Keast, R., Liem, D. G., Russell, C. G., Cicerale, S., & Gamlath, S. (2020). Sugar reduction in dairy food: An overview with flavoured milk as an example. In *Foods* (Vol. 9, Issue 10). <https://doi.org/10.3390/foods9101400>
- Makarem, N., Bandera, E. v., Nicholson, J. M., & Parekh, N. (2018). Consumption of sugars, sugary foods, and sugary beverages in relation to cancer risk: A systematic review of longitudinal studies. *Annual Review of Nutrition*, 38(1), 17–39. <https://doi.org/10.1146/annurev-nutr-082117-051805>
- Mamilla, R. K., & Mishra, V. K. (2017). Effect of germination on antioxidant and ACE inhibitory activities of legumes. *LWT*, 75. <https://doi.org/10.1016/j.lwt.2016.08.036>
- Manickvasagan, A., Kumar, C. S., & Al-Attabi, Z. H. (2018). Effect of sugar replacement with date paste and date syrup on texture and sensory quality of kesari (traditional Indian dessert). *Journal of Agricultural and Marine Sciences [JAMS]*, 22(1), 67–74. <https://doi.org/10.24200/jams.vol22iss1pp67-74>
- Manikam, A. S., Shynta Pertiwi, W., Hidayanto, A., & Harismah, K. (2017). Potensi Ekstrak Daun Stevia (Stevia Rebaudiana Bertoni) pada Formulasi Obat Kumur Terhadap Aktivitas Antibakteri Streptococcus Mutans. *University Research Colloquium*, 27–34.
- Masdani, M., & Ariyanto, A. (2021). PKM USAHA AIR SUSU KEDELAI UNTUK HOME INDUSTRY. *Jurnal Pengabdian Masyarakat Polmanbabel*, 1(01). <https://doi.org/10.33504/dulang.v1i01.145>
- Mazhangara, I. R., Chivandi, E., & Jaja, I. F. (2022). Consumer Preference for the Chevon Sausage in Blind and Nonblind Sensory Evaluations: A Comparative Study. *International Journal of Food Science*, 2022. <https://doi.org/10.1155/2022/8736932>

- McCain-Keefer, H. R., Meals, S., & Drake, M. (2020). The sensory properties and consumer acceptance of cold brew coffee. *Journal of Sensory Studies*, 35(6). <https://doi.org/10.1111/joss.12604>
- McCarthy, K. S., Lopetcharat, K., & Drake, M. A. (2017). Milk fat threshold determination and the effect of milk fat content on consumer preference for fluid milk. *Journal of Dairy Science*, 100(3). <https://doi.org/10.3168/jds.2016-11417>
- Melis, M., & Barbarossa, I. T. (2017). Taste perception of sweet, sour, salty, bitter, and Umami and changes due to L-arginine supplementation, as a function of genetic ability to taste 6-n-propylthiouracil. *Nutrients*, 9(6). <https://doi.org/10.3390/nu9060541>
- Melyandra, T., Dara, N. T., & Nurjanah, D. (2024). Pelatihan Usaha Baru dengan Pemanfaatan Umbi Garut sebagai Bahan Dasar, Cookies Umbi Garut “Cosut” Pencegah Maag Segala Usia. *JPPM (Jurnal Pengabdian Dan Pemberdayaan Masyarakat)*, 8(3), 377–387. <https://doi.org/10.30595/jppm.v8i3.13450>
- Meng, Y., Chen, F., Shuai, H., Luo, X., Ding, J., Tang, S., Xu, S., Liu, J., Liu, W., Du, J., Liu, J., Yang, F., Sun, X., Yong, T., Wang, X., Feng, Y., Shu, K., & Yang, W. (2016). Karrikins delay soybean seed germination by mediating abscisic acid and gibberellin biogenesis under shaded conditions. *Scientific Reports*, 6(1), 22073. <https://doi.org/10.1038/srep22073>
- Meyners, M., Castura, J. C., & Carr, B. T. (2013). Existing and new approaches for the analysis of CATA data. *Food Quality and Preference*, 30(2), 309–319. <https://doi.org/10.1016/j.foodqual.2013.06.010>
- Milareva, H. A., Handayani, S., & Barokah, U. (2023). Analisis Preferensi Konsumen Terhadap Pembelian Susu Sapi Segar di Kota Surakarta. *Jurnal Ekonomi Pertanian Dan Agribisnis*, 7(1), 292. <https://doi.org/10.21776/ub.jepa.2023.007.01.26>
- Miyahira, R. F., & Antunes, A. E. C. (2021). Bacteriological safety of sprouts: A brief review. *International Journal of Food Microbiology*, 352, 109266. <https://doi.org/10.1016/j.ijfoodmicro.2021.109266>
- Modanwal, D. (2023). A study on extracted soymilk and their proximate analysis. *Sustainability, Agri, Food and Environmental Research*, 12(2), 1–9. <https://doi.org/10.7770/safer-v13n1-art536>
- Mohammed, I. S., & Al-Maliki, S. (2022). Interaction between calcium silicate, *Pseudomonas fluorescens* and irrigation intervals affecting soil microbial biomass and yield of wheat. *NVEO*, 9(1), 628–645.
- Moss, R., LeBlanc, J., Gorman, M., Ritchie, C., Duizer, L., & McSweeney, M. B. (2023). A Prospective Review of the Sensory Properties of Plant-Based Dairy and Meat Alternatives with a Focus on Texture. In *Foods* (Vol. 12, Issue 8). <https://doi.org/10.3390/foods12081709>
- Nestrud, M. A., Meiselman, H. L., King, S. C., Leshner, L. L., & Cardello, A. v. (2016). Development of EsSense25, a shorter version of the EsSense

- Profile®. *Food Quality and Preference*, 48, 107–117. <https://doi.org/10.1016/j.foodqual.2015.08.005>
- Ngo, D. H., & Vo, T. S. (2019). An updated review on pharmaceutical properties of gamma-aminobutyric acid. In *Molecules* (Vol. 24, Issue 15). <https://doi.org/10.3390/molecules24152678>
- Nicolás-García, M., Perucini-Avendaño, M., Jiménez-Martínez, C., Perea-Flores, M. de J., Gómez-Patiño, M. B., Arrieta-Báez, D., & Dávila-Ortiz, G. (2021). Bean phenolic compound changes during processing: Chemical interactions and identification. In *Journal of Food Science* (Vol. 86, Issue 3). <https://doi.org/10.1111/1750-3841.15632>
- Nkhata, S. G., Ayua, E., Kamau, E. H., & Shingiro, J. B. (2018). Fermentation and germination improve nutritional value of cereals and legumes through activation of endogenous enzymes. *Food Science and Nutrition*, 6(8), 2446–2458. <https://doi.org/10.1002/fsn3.846>
- Nogueira, A., Puga, H., Gerós, H., & Teixeira, A. (2024). Seed germination and seedling development assisted by ultrasound: gaps and future research directions. In *Journal of the Science of Food and Agriculture* (Vol. 104, Issue 2). <https://doi.org/10.1002/jsfa.12994>
- Novitasari, M. S. (2018). *PENGARUH VARIASI TEPUNG KACANG KEDELAI (Glycine max L. Merr) DAN SARI DAUN KEMANGI (Ocimum basilicum L.) TERHADAP MUTU FISIK DAN MUTU KIMIA PADA PEMBUATAN BOLU KUKUS*.
- Oghbaei, M., & Prakash, J. (2016). Effect of primary processing of cereals and legumes on its nutritional quality: A comprehensive review. *Cogent Food and Agriculture*, 2(1), 1136015. <https://doi.org/10.1080/23311932.2015.1136015>
- Olías, R., Delgado-Andrade, C., Padial, M., Marín-Manzano, M. C., & Clemente, A. (2023). An Updated Review of Soy-Derived Beverages: Nutrition, Processing, and Bioactivity. *Foods*, 12(14), 2665. <https://doi.org/10.3390/foods12142665>
- Oryan, A., Alemzadeh, E., & Moshiri, A. (2016). Biological properties and therapeutic activities of honey in wound healing: A narrative review and meta-analysis. *Journal of Tissue Viability*, 25(2), 98–118. <https://doi.org/10.1016/j.jtv.2015.12.002>
- Papaefthimiou, M., Kontou, P. I., Bagos, P. G., & Braliou, G. G. (2023). Antioxidant Activity of Leaf Extracts from *Stevia rebaudiana* Bertoni Exerts Attenuating Effect on Diseased Experimental Rats: A Systematic Review and Meta-Analysis. *Nutrients*, 15(15), 3325. <https://doi.org/10.3390/nu15153325>
- Paul, S., & Rakshit, A. (2023). Bio-priming with *Trichoderma* Enhanced Faster Reserve Mobilization in Germinating Soybean Cotyledons under Graded Macronutrients. *Journal of Plant Growth Regulation*, 42(9). <https://doi.org/10.1007/s00344-023-10929-w>

- Piochi, M., Cabrino, G., & Torri, L. (2021). Check-all-that-apply (Cata) test to investigate the consumers' perception of olive oil sensory properties: Effect of storage time and packaging material. *Foods*, 10(7), 1551. <https://doi.org/10.3390/foods10071551>
- Popkin, B. M., & Hawkes, C. (2016). Sweetening of the global diet, particularly beverages: Patterns, trends, and policy responses. *The Lancet Diabetes and Endocrinology*, 4(2), 174–186. [https://doi.org/10.1016/S2213-8587\(15\)00419-2](https://doi.org/10.1016/S2213-8587(15)00419-2)
- Pradiani, W., Haryati, S., & Bustan, M. D. (2022). Pengaruh variabel hidrodinamika pada proses transformasi d-glukosa menjadi d-fruktosa dalam reaktor baffle dengan arus osilasi. *Jurnal Teknik Kimia*, 28(2). <https://doi.org/10.36706/jtk.v28i2.966>
- Pramano, Y. B., Al-Baarri, A. N., Mulyani, S., Raharjanti, Z., & Puspitoasih, A. D. (2025). Total lactic acid bacteria, total dissolved solids, and organoleptic properties of cocogurt with the addition of stevia leaf extracts. *Food Research*, 9(1), 111–116. [https://doi.org/10.26656/fr.2017.9\(1\).582](https://doi.org/10.26656/fr.2017.9(1).582)
- Pratama, M. (2017). Identifikasi Atribut Aroma dan Rasa Rempah Dengan Profiled Test. *JURNAL AGROINDUSTRI HALAL*, 3(2). <https://doi.org/10.30997/jah.v3i2.903>
- Pratiwi, R. D., Rosyidi, V. A., Zanjabilla, S., Dewi, K. S., Novandra, R., Desvina, D., & Herawati, H. (2022). Sensory evaluation of *flavoring* agent addition in soy-based beverage. *Pharmacy Reports*, 2(1), 46. <https://doi.org/10.51511/pr.46>
- Prayuda, D., Muhidin, P., Miarti, A., AR, A. M., & Pandiangan, E. L. (2024). Pelatihan Pembuatan Susu Kedelai Bagi Masyarakat Desa Cinta Raja Kecamatan Secanggang Kabupaten Langkat. *FUSION: Jurnal Pengabdian Kepada Masyarakat*, 2(2), 137–146.
- Pujiwanti, W., Purwidiani, N., Pangesthi, L. T., & Handajani, S. (2024). Pengaruh Substitusi Gula Palem Terhadap Sifat Organoleptik Egg Roll Tepung Kacang Koro Benguk. *Intellektika : Jurnal Ilmiah Mahasiswa*, 2(2), 40–55. <https://doi.org/10.59841/intellektika.v2i2.941>
- Puspita, L., & Komarudin, K. (2020). Peningkatan Ekonomi Masyarakat: Dampak Pemanfaatan Ampas Susu Kedelai Menjadi Nugget. *Dinamisia : Jurnal Pengabdian Kepada Masyarakat*, 5(1), 1. <https://doi.org/10.31849/dinamisia.v5i1.4105>
- Putri, L. S. A. (2020). *Sensory Evaluation Instant chocolate powdered drink with CATA (Check-All-That-Apply), Emotional Sensory and IPM (Ideal Profile Method) methods.*
- Putri, S., Marliyati, S. A., Setiawan, B., Rimbawan, R., Yunianto, A. E., & Rusyana, A. (2024). Sensory Profiling of Jelly Drink Made from a Combination of Bay Leaf Water Extract and Guava Juice Using a Quantitative Descriptive Analysis. *Amerta Nutrition*, 8(3), 452–460. <https://doi.org/10.20473/amnt.v8i3.2024.452-460>

- Qi, Q., Zhang, G., Wang, W., Sadiq, F. A., Zhang, Y., Li, X., Chen, Q., Xia, Q., Wang, X., & Li, Y. (2022). Preparation and Antioxidant Properties of Germinated Soybean Protein Hydrolysates. *Frontiers in Nutrition*, 9. <https://doi.org/10.3389/fnut.2022.866239>
- Qi, Y., Wang, W., Yang, T., Ding, W., & Xu, B. (2025). Maillard Reaction in Flour Product Processing: Mechanism, Impact on Quality, and Mitigation Strategies of Harmful Products. *Foods*, 14(15), 2721. <https://doi.org/10.3390/foods14152721>
- Qiao, K., Zhao, M., Huang, Y., Liang, L., & Zhang, Y. (2024). Bitter Perception and Effects of Foods Rich in Bitter Compounds on Human Health: A Comprehensive Review. *Foods*, 13(23), 3747. <https://doi.org/10.3390/foods13233747>
- Rahaman, M. M., Hossain, R., Herrera-Bravo, J., Islam, M. T., Atolani, O., Adeyemi, O. S., Owolodun, O. A., Kambizi, L., Daştan, S. D., Calina, D., & Sharifi-Rad, J. (2023). Natural antioxidants from some fruits, seeds, foods, natural products, and associated health benefits: An update. In *Food Science and Nutrition* (Vol. 11, Issue 4). <https://doi.org/10.1002/fsn3.3217>
- Rahim, A., Lamusa, A., & Hamid, A. (2015). PENINGKATAN PRODUKTIVITAS DAN KUALITAS PALM SUGAR DARI NIRA AREN DI KECAMATAN NOKILALAKI KABUPATEN SIGI. *E-J. Agrotekbis*, 3(4), kecambah segar tanpa gula–432.
- Rahmah, W., Hamzah, H., Hajar, S., Ressaydy, S. S., & Putri, E. M. (2021). Potensi Ekstrak Buah Matoa (*Pometia Pinnata*) Sebagai Sumber Antioksidan: Literatur Review. *Jurnal Farmasi Sains Dan Praktis (JFSP)*, 7(1).
- Rahman, M., Rahman, M., Shahjadee, U., Rupa, A., & Hossain, M. (2016). Nutritional and microbiological quality of germinated soy flour. *Bangladesh Journal of Scientific and Industrial Research*, 51(3), 167–174. <https://doi.org/10.3329/bjsir.v51i3.29416>
- Rahmawati, N. E., Wahyuningrum, P., & Ferdayanti, F. (2022). Valuasi jasa keanekaragaman hayati Pabrik Gula Madukismo. In *Seminar Nasional Potensi Dan Kemandirian Daerah: Optimalisasi Potensi Sumber Daya Ekonomi Menuju Kesejahteraan Daerah*, 1–10.
- Ramos, M., Jordán, O., Silva-Jaimes, M., Salvá-Ruíz, B., Silva-Paz, R. J., Ramos, M., Jordán, O., Silva-Jaimes, M., Salvá-Ruíz, B., & Silva-Paz, R. J. (2021). Perfil sensorial ideal para el cabanossi con carne de llama (Lama glama) de tres sistemas de alimentación usando el método CATA (Check-all-that-apply). *Scientia Agropecuaria*, 12(3), 393–401.
- Ramsing, R., Santo, R., Kim, B. F., Altema-Johnson, D., Wooden, A., Chang, K. B., Semba, R. D., & Love, D. C. (2023). Dairy and Plant-Based Milks: Implications for Nutrition and Planetary Health. *Current Environmental Health Reports*, 10(3), 291–302. <https://doi.org/10.1007/s40572-023-00400-z>

- Randa, A., Yusmarini, & Zalfiatri, Y. (2017). PEMANFAATAN NaHCO_3 DALAM PEMBUATAN TEMPE BERBAHAN BAKU BIJI NANGKA DAN BIJI SAGA. *Jurnal Online Mahasiswa (JOM) Fakultas Pertanian (FAPERTA)*, 4(2), 1–14.
- Rashmi, D., Zanan, R., John, S., Khandagale, K., & Nadaf, A. (2018). γ -Aminobutyric Acid (GABA): Biosynthesis, Role, Commercial Production, and Applications. In *Studies in Natural Products Chemistry* (Vol. 57). <https://doi.org/10.1016/B978-0-444-64057-4.00013-2>
- Reka, M., S, V. S., D, J. R., K, R., & R, N. (2022). Nutrient composition, antioxidant activity and phytonutrient of yogurt incorporated with watermelon fruit pulp and its extract. *JOURNAL OF ADVANCED APPLIED SCIENTIFIC RESEARCH*, 4(5), 29–38. <https://doi.org/10.46947/joaasr452022501>
- Ren, L., Sun, C., Lv, Y., & Kumar, L. (2024). Effect of Succinylation on Oxidation–Aggregation of Low-Density Lipoprotein and Formation of Off-Flavors in Heated Egg Yolks. *Foods*, 13(21), 3489. <https://doi.org/10.3390/foods13213489>
- Rizkitania, A., Auliyah, A., & Wani, Y. A. (2022). Faktor yang Memengaruhi Keputusan Pembelian Konsumen terhadap Katering Sehat. *Media Gizi Indonesia (National Nutrition Journal)*, 17(2), 213–223.
- Rizqianti, H., Nurwantoro, Susanti, S., Surya, K. R. A., & Prayoga, M. I. Y. (2021). Chemical and microbiological properties of buffalo milk kefir with different starter concentrations. *IOP Conference Series: Earth and Environmental Science*, 803(1). <https://doi.org/10.1088/1755-1315/803/1/012045>
- Rizzo, G., Testa, R., Cubero Dudinskaya, E., Mandolesi, S., Solfanelli, F., Zanolli, R., Schifani, G., & Migliore, G. (2023). Understanding the consumption of plant-based meat alternatives and the role of health-related aspects. A study of the Italian market. *International Journal of Gastronomy and Food Science*, 32. <https://doi.org/10.1016/j.ijgfs.2023.100690>
- Ronoh, A. K., Serrem, C. A., Tumwebaze, S. B., & Were, G. M. (2025). Dough rheological properties, physical, consumer acceptability and microbial qualities of wheat and wheat-sorghum biscuits fortified with longhorn grasshopper (*Ruspolia differens*) powder. *Journal of Agriculture and Food Research*, 19, 101557. <https://doi.org/10.1016/j.jafr.2024.101557>
- Rum, R. R., Supratomo, S., & Mursalim, M. (2019). Pengaruh Suhu dan Konsentrasi Larutan Gula Terhadap Proses Dehidrasi Osmosis Bengkuang (*Pachyrhizus erosus*). *Jurnal Agritechno*, 56–65. <https://doi.org/10.20956/at.v12i1.186>
- Rupp, M. A., & Wismer, A. J. (2021). Too Much of a Good Thing is Just About Right: Using Penalty Analysis to Evaluate the Impact of Key Travel on Notebook Keyboard User Experience. *Proceedings of the Human Factors and Ergonomics Society*, 65(1). <https://doi.org/10.1177/10711813216teping kecambah tanpa gula17>

- Sahara, N. I., & Prakoso, F. A. (2020). Pengaruh Kualitas Produk dan Harga Terhadap Keputusan Pembelian Konsumen Lazada (Studi di Wilayah Jakarta Selatan). *Prosiding Konferensi Nasional Ekonomi Manajemen Dan Akuntansi (KNEMA)*, 21(1), 1.
- Saharudin, A. M. bin, Nazri, N. B. M., Roslee, A. H. B., Hawi, M. H. bin, & Mar, S. O. (2020). Acceptance of stevia as a sugar substitute and its determinants among health educated individuals. *Current Research in Nutrition and Food Science*, 8(1), 226–237. <https://doi.org/10.12944/CRNFSJ.8.1.21>
- Saleh, N. M., Zahran, A. S., Metwalli, A. A., Awad, E. M., Ebiad, H., & Al-Tamimi, J. (2024). Changes in antioxidants and nutritional properties during germination of soybean. *Journal of King Saud University - Science*, 36(11), 103527. <https://doi.org/10.1016/j.jksus.2024.103527>
- Salehi, B., López, M. D., Martínez-López, S., Victoriano, M., Sharifi-Rad, J., Martorell, M., F. Rodrigues, C., & Martins, N. (2019). Stevia rebaudiana Bertoni bioactive effects: From in vivo to clinical trials towards future therapeutic approaches. *Phytotherapy Research*, 33(11), 2094–2917. <https://doi.org/10.1002/ptr.6478>
- Samtiya, M., Aluko, R. E., & Dhewa, T. (2020). Plant food anti-nutritional factors and their reduction strategies: an overview. *Food Production, Processing and Nutrition*, 2(1), 1. <https://doi.org/10.1186/s43014-020-0020-5>
- Saputra, R. A., Pratiwi, I. D. P. K., & Yusasrini, N. L. A. (2023). Evaluasi Profil Sensori Produk Kopi Instan Starbucks VIA Ready Brew Unflavored Menggunakan Metode CATA (Check-All-That-Apply). *Jurnal Ilmu Dan Teknologi Pangan (ITEPA)*, 12(3), 491–505. <https://doi.org/10.24843/itepa.2023.v12.i03.p02>
- Saputro, A. D., van de Walle, D., Kadivar, S., bin Sintang, M. D., van der Meeren, P., & Dewettinck, K. (2017). Investigating the rheological, microstructural and textural properties of chocolates sweetened with palm sap-based sugar by partial replacement. *European Food Research and Technology*, 243(10), 1729–1783. <https://doi.org/10.1007/s00217-017-2877-3>
- Saputro, D. H., Andriani, M., & Siswanti. (2015). Karakteristik Sifat Fisik dan Kimia Formulasi Tepung Kecambah Kacang-kacangan sebagai Bahan Minuman Fungsional. *Jurnal Teknosains Pangan*, 4(1), 10.
- Sarkar, T., Mukherjee, M., Roy, S., & Chakraborty, R. (2023). Palm sap sugar an unconventional source of sugar exploration for bioactive compounds and its role on functional food development. *Heliyon*, 9(4), e14788. <https://doi.org/10.1016/j.heliyon.2023.e14788>
- Selvaraj, P., Sanjeevirayar, A., & Shanmugam, A. (2023). Application of Principal Component Analysis as Properties and Sensory Assessment Tool for Legume Milk Chocolates. *American Journal of Computational Mathematics*, 13(01). <https://doi.org/10.4236/ajcm.2023.131006>
- Sethi, S., Tyagi, S. K., & Anurag, R. K. (2016). Plant-based milk alternatives an emerging segment of functional beverages: a review. *Journal of Food*

Science and Technology, 53(9), 3408–3423.
<https://doi.org/10.1007/s13197-016-2328-3>

- Setiawati, T. C., Erwin, D., Mandala, M., & Hidayatulah, A. (2022). Use of *Bacillus* as a Plant Growth-Promoting Rhizobacteria to Improve Phosphate and Potassium Availability in Acidic and Saline Soils. *KnE Life Sciences*.
<https://doi.org/10.18502/kls.v7i3.11160>
- Shahidi, F., & Oh, W. Y. (2020). Lipid-derived *flavor* and off-*flavor* of traditional and functional foods: an overview. *Journal of Food Bioactives*.
<https://doi.org/10.31665/jfb.2020.10224>
- Shelp, B. J., Aghdam, M. S., & Flaherty, E. J. (2021). γ -aminobutyrate (GABA) regulated plant defense: Mechanisms and opportunities. In *Plants* (Vol. 10, Issue 9). <https://doi.org/10.3390/plants10091939>
- Shinde, S., Kshirsagar, R., Agarkar, B., & Patil, B. (2022). Effect of processing methods on nutritional and organoleptic properties of soy milk beverage. *The Pharma Innovation Journal*, 11(11), 56–59.
www.thepharmajournal.com
- Silano, V., Bolognesi, C., Castle, L., Chipman, K., Cravedi, J., Fowler, P., Franz, R., Grob, K., Gürtler, R., Husøy, T., Kärenlampi, S., Mennes, W., Milana, M. R., Pfaff, K., Riviere, G., Srinivasan, J., de Fátima Tavares Poças, M., Tlustos, C., Wölfe, D., ... Engel, K. (2017). Safety evaluation of the food enzyme peroxidase obtained from soybean (*Glycine max*) hulls. *EFSA Journal*, 15(12). <https://doi.org/10.2903/j.efsa.2017.5119>
- Silitonga, R. A., Zakiah Darajat, N., Tamba, R., Mawaddana, A. A., Ikawati, I., & Kurniawan, K. (2025). Hubungan Konsep Logaritma dengan Perhitungan pH pada Larutan. *Sindoro: Cendikia Pendidikan*, 17(11), 1.
<https://doi.org/10.9644/sindoro.v3i9.252>
- Silva, M. B. R., Leite, R. S., de Oliveira, M. Á., & Ida, E. I. (2020). Germination conditions influence the physical characteristics, isoflavones, and vitamin C of soybean sprouts. *Pesquisa Agropecuaria Brasileira*, 55.
<https://doi.org/10.1590/S1678-3921.PAB2020.V55.01409>
- Silventoinen-Veijalainen, P., Sneek, A.-M., Nordlund, E., & Rosa-Sibakov, N. (2024). Influence of oat flour characteristics on the physicochemical properties of oat-based milk substitutes. *Food Hydrocolloids*, 147, 109402. <https://doi.org/10.1016/j.foodhyd.2023.109402>
- Sinaga, R. U. Y. G., & Moentamaria, D. (2024). Pengaruh Kadar Air terhadap Masa Simpan Olahan Pangan dengan Teknologi Sterilisasi Suhu Tinggi. *DISTILAT: Jurnal Teknologi Separasi*, 10(4), 849–858.
<https://doi.org/10.33795/distilat.v10i4.6640>
- Sipos, L., Végh, R., Bodor, Z., Zaukuu, J. L. Z., Hitka, G., Bázár, G., & Kovacs, Z. (2020). Classification of bee pollen and prediction of sensory and colorimetric attributes—a sensometric fusion approach by e-nose, e-tongue and nir. *Sensors*, 20(23), 6768.
<https://doi.org/10.3390/s20236768>

- Soper, A. K. (2019). Is water one liquid or two? *Journal of Chemical Physics*, 150(23). <https://doi.org/10.1063/1.5096460>
- Spence, C. (2015). On the psychological impact of food colour. *Flavour*, 4(1). <https://doi.org/10.1186/s13411-015-0031-3>
- Srikaeo, K., Sangkhiaw, J., & Likittrakulwong, W. (2019). Productions and functional properties of palm sugars. *Walailak Journal of Science and Technology*, 16(11), 897–907. <https://doi.org/10.48048/wjst.2019.5323>
- Sulandari, U., Suci Hendrawati, L., Purba, Y. S., Arjuni, D., & Lestari, W. (2024). Penerapan HACCP Gula Sehat Stevia di PT Tri Arga Makmur Sentosa. *Journal Abdimas Mutiara*, 5(1), 15–23. <http://e-journal.sari-mutiara.ac.id/index.php/JAM>
- Supriyanti, F. M. T., Salsabila, S., & Zackiyah. (2024). Chemica Isola Aktivitas Antioksidan dan Sifat Fisikokimia Yoghurt Susu Kedelai Terfortifikasi Ekstrak Daging dan Kulit Buah Jeruk Bali (*Citrus grandis*). *Chemica Isola*, 4(1), 208–218. <https://ejournal.upi.edu/index.php/CI/index>
- Syamsuri, R., & Lestari, S. (2021). The effect of processing methods on the quality of soy milk. *IOP Conference Series: Earth and Environmental Science*, 807(2). <https://doi.org/10.1088/1755-1315/807/2/022050>
- Sylvetsky, A. C., & Rother, K. I. (2016). Trends in the consumption of low-calorie sweeteners. *Physiology and Behavior*, 164, 446–450. <https://doi.org/10.1016/j.physbeh.2016.03.030>
- Tarigan, E. B., Hardianti, C. A., & Rifqi, M. (2024). Exploring the Sensory Profile of Stevia Coffee Using Rate-All-That-Apply (RATA) Method and Chemical Analysis. *Indonesian Journal of Applied Research (IJAR)*, 5(1), 48–63. <https://doi.org/10.30997/ijar.v5i1.454>
- Tarung, A. F., IH, H., & Nurbaeti, S. N. (2023). Pengaruh penambahan susu kacang kedelai terhadap karakteristik fisik, kimia dan mikrobiologi yoghurt. *Sasambo Journal of Pharmacy*, 4(2), 85–92. <https://doi.org/10.29303/sjp.v4i2.277>
- Tokumitsu, Y., Kozu, T., Yamatani, H., Ito, T., Nakano, H., Hase, A., Sasada, H., Takada, Y., Kaga, A., Ishimoto, M., Kusaba, M., Nakashima, T., Abe, J., & Yamada, T. (2022). Functional Divergence of G and Its Homologous Genes for Green Pigmentation in Soybean Seeds. *Frontiers in Plant Science*, 12. <https://doi.org/10.3389/fpls.2021.796981>
- Tong, S., Siow, L. F., & Lee, Y. (2025). Identification of Sensory Drivers of Liking of Plant-Based Milk Using a Novel Palm Kernel Milk—The Effect of Reformulation and Flavors Addition Through <sc>CATA</sc> and <sc>PCA</sc> Analysis. *Food Science & Nutrition*, 13(1). <https://doi.org/10.1002/fsn3.4719>
- Tumilaar, S. G., Hardianto, A., Dohi, H., & Kurnia, D. (2024). A Comprehensive Review of Free Radicals, Oxidative Stress, and Antioxidants: Overview, Clinical Applications, Global Perspectives, Future Directions, and

- Mechanisms of Antioxidant Activity of Flavonoid Compounds. *Journal of Chemistry*, 2024, 1–21. <https://doi.org/10.1155/2024/5594386>
- U.S. Department of Agriculture, Agricultural Research Service, & Beltsville Human Nutrition Research Center. (2019, October). *Soybeans, mature seeds, raw*. [https://fdc.nal.usda.gov/food-details/17kecambah segar tanpa gula0/nutrients](https://fdc.nal.usda.gov/food-details/17kecambah%20segar%20tanpa%20gula0/nutrients)
- Ulfiana, E., & M.Has, E. M. (2019). PEMBERDAYAAN KAUM IBU MELALUI PENGOLAHAN SUSU KEDELAI SEBAGAI UPAYA PENINGKATAN GIZI KELUARGA. *Jurnal Pengabdian Masyarakat Dalam Kesehatan*, 1(1), 21. <https://doi.org/10.20473/jpmk.v1i1.12327>
- Utomo, D., & Rizkiyah, L. (2020). Pengaruh lama perendaman dan persentase carboxymethyl cellulose (CMC) terhadap karakteristik susu kecambah kedelai (*Glycine max* (L.) Merr.). *Teknologi Pangan : Media Informasi Dan Komunikasi Ilmiah Teknologi Pertanian*, 11(2), 171–181. <https://doi.org/10.35891/tp.v11i2.2191>
- Vatansever, S., Chen, B., & Hall, C. (2024). Plant protein *flavor* chemistry fundamentals and techniques to mitigate undesirable *flavors*. *Sustainable Food Proteins*, 2(1), 33–57. <https://doi.org/10.1002/sfp2.1025>
- Vidal, L., Ares, G., Hedderley, D. I., Meyners, M., & Jaeger, S. R. (2018). Comparison of rate-all-that-apply (RATA) and check-all-that-apply (CATA) questions across seven consumer studies. *Food Quality and Preference*, 67, 49–58. <https://doi.org/10.1016/j.foodqual.2016.12.013>
- Vijayakumar, P. P., & Adedeji, A. (2017). Measuring the pH of Food Products. *University of Kentucky, College of Agriculture, Food and Environment*, 7.
- Wahyudiati, D. (2017). *BIOKIMIA* (E. M. Jayadi, Ed.). LEPPIM MATARAM.
- Wang, F., Wang, H., Wang, D., Fang, F., Lai, J., Wu, T., & Tsao, R. (2015). Isoflavone, γ -aminobutyric acid contents and antioxidant activities are significantly increased during germination of three Chinese soybean cultivars. *Journal of Functional Foods*, 14, 596–604. <https://doi.org/10.1016/j.jff.2015.02.016>
- Wang, S., Ng, K. H., Yee, K. H., Tang, Y., Meng, R., & He, W. (2023). Comparison of Pivot Profile, CATA, and Pivot-CATA for the sensory profiling of instant black coffee. *Food Quality and Preference*, 108, 104858. <https://doi.org/10.1016/j.foodqual.2023.104858>
- Wang, X., Sun, J., Yi, Z., & Dong, S. (2025). Effects of seed size on soybean performance: germination, growth, stress resistance, photosynthesis, and yield. *BMC Plant Biology*, 25(1), 219. <https://doi.org/10.1186/s12870-025-06224-3>
- Wibawanti, J. M. W., & Rinawidiastuti. (2018). Sifat Fisik dan Organoleptik Yogurt Drink Susu Kambing dengan Penambahan Ekstrak Kulit Manggis (*Garcinia mangostana* L.). *Jurnal Ilmu Dan Teknologi Hasil Ternak*, 13(1), 27–37. <https://doi.org/10.21776/ub.jitek.2018.013.01.3>

- Wilk, K., Korytek, W., Pelczyńska, M., Moszak, M., & Bogdański, P. (2022). The Effect of *Artificial* Sweeteners Use on Sweet Taste Perception and Weight Loss Efficacy: A Review. *Nutrients*, 14(6), 1261. <https://doi.org/10.3390/nu14061261>
- Wilson, V. (2022). EFFECT OF SODIUM HYPOCHLORITE ON SEED GERMINATION AND EARLY SEEDLING GROWTH OF SWEET ORANGE (*Citrus sinensis* (L). OSBECK) AND LIME (*Citrus aurantifolia* SWINGLE). *Asian Journal of Plant and Soil Sciences*, 7(1), 84–92. <https://doi.org/10.56557/ajopss/2022/v7i180>
- Winarsi, H. (2018). Susu Kecambah Kedelai Basah Kaya Protein Lebih Disukai sebagai Minuman Alternatif untuk Obesitas. *Jurnal Gizi Dan Pangan Soedirman*, 2(1), 32–42. <https://doi.org/10.20884/1.jgps.2018.2.1.896>
- Wolinska-Kennard, K., Schönberger, C., Fenton, A., & Sahin, A. W. (2025). *Mouthfeel* of Food and Beverages: A Comprehensive Review of Physiology, Biochemistry, and Key Sensory Compounds. *Comprehensive Reviews in Food Science and Food Safety*, 24(4). <https://doi.org/10.1111/1541-4337.70223>
- Wu, S. J., Chang, C. Y., Lai, Y. T., & Shyu, Y. T. (2020). Increasing γ -Aminobutyric Acid Content in Vegetable Soybeans via High-Pressure Processing and Efficacy of Their Antidepressant-Like Activity in Mice. *Foods*, 9(11). <https://doi.org/10.3390/foods9111673>
- Xu, J. G., & Hu, Q. P. (2014). Changes in γ -aminobutyric acid content and related enzyme activities in Jindou 25 soybean (*Glycine max* L.) seeds during germination. *LWT*, 55(1). <https://doi.org/10.1016/j.lwt.2013.08.008>
- Yahya, M. R., & Ambarwati, R. (2024). The Role of Price, Taste, and Brand Image in Purchasing Decisions. *Almana: Jurnal Manajemen Dan Bisnis*, 8(1), 56–68. <https://doi.org/10.36555/almana.v8i1.2347>
- Yang, A., Smyth, H., Chaliha, M., & James, A. (2016). Sensory quality of soymilk and tofu from soybeans lacking lipoxygenases. *Food Science and Nutrition*, 4(2). <https://doi.org/10.1002/fsn3.274>
- Yang, Q., Zhao, D., & Liu, Q. (2020). Connections Between Amino Acid Metabolisms in Plants: Lysine as an Example. In *Frontiers in Plant Science* (Vol. 11). <https://doi.org/10.3389/fpls.2020.00928>
- Yang, Y., Wang, X., Wang, M., Li, H., Lin, Y., Miao, S., & Xie, W. (2025). The effect of germination time on soymilk odor: Key odor compounds and formation mechanisms. *LWT*, 228, 118045. <https://doi.org/10.1016/j.lwt.2025.118045>
- Yeganehzad, S., Mazaheri Tehrani, M., & Baratian Ghorghi, Z. (2015). Impact of the replacement of milk powder by soy flour on chemical properties, texture, particle size distribution and whiteness index of chocolate product. *Research and Innovation in Food Science and Technology*, 4(2), 173–182. <https://doi.org/10.22101/JRIFST.2015.07.23.426>

- Yin, Y., Qi, F., Gao, L., Rao, S., Yang, Z., & Fang, W. (2018). ITRAQ-based quantitative proteomic analysis of dark-germinated soybeans in response to salt stress. *RSC Advances*, 8(32). <https://doi.org/10.1039/c8ra02996b>
- Yulifianti, R., Ginting, E., & Utomo, J. S. (2020). Karakteristik Fisiko-Kimia dan Sensoris Susu Kecambah Beberapa Varietas Unggul Kedelai. *Buletin Palawija*, 18(2), 83–93. <https://doi.org/10.21082/bulpa.v18n2.2020.p83-93>
- Yuwana, A. M. P., Putri, D. N., & Harini, N. (2022). Hubungan antara atribut sensori dan kualitas gula merah tebu: pengaruh pH dan kondisi karamelisasi. *Teknologi Pangan : Media Informasi Dan Komunikasi Ilmiah Teknologi Pertanian*, 13(1), 54–66. <https://doi.org/10.35891/tp.v13i1.2767>
- Zahedi, A., Saravy, A., & Poorghasemi, M. (2023). Evaluating the Antioxidant Effects of Onion (*Allium cepa*) on Blood Biochemical Factors and Antioxidants after Consuming Tartrazine in Rats. *Archives of Razi Institute*, 78(6). <https://doi.org/10.32592/ARI.2023.78.6.1836>
- Zeng, Q., Wang, H., Tuo, J., Ding, Y., Cao, H., & Yue, C. (2025). Volatile Organic Compounds in Teas: Identification, Extraction, Analysis, and Application of Tea Aroma. *Foods*, 14(15), 2574. <https://doi.org/10.3390/foods14152574>
- Zhou, J., Shin, Y. H., Jung, S. E., & Kong, L. (2024). Drivers behind consumers' intent to purchase deodorized soy milk. *Food Innovation and Advances*, 3(2), 88–98. <https://doi.org/10.48130/fia-0024-0009>
- Zhu, L., Wang, Z., Gao, L., & Chen, X. (2024). Unraveling the Potential of γ -Aminobutyric Acid: Insights into Its Biosynthesis and Biotechnological Applications. *Nutrients*, 16(16), 2760. <https://doi.org/10.3390/nu16162760>
- Zinia, S. A., Nupur, A. H., Karmoker, P., Hossain, A., Jubayer, M. F., Akhter, D., & Mazumder, M. A. R. (2022). Effects of sprouting of soybean on the anti-nutritional, nutritional, textural and sensory quality of tofu. *Heliyon*, 8(10), e10878. <https://doi.org/10.1016/j.heliyon.2022.e10878>
- Zufria, I., Santoso, H., & Darsih. (2021). Sistem Pakar Menggunakan Metode Backward Chaining Untuk Mengantisipasi Permasalahan Tanaman Kacang Kedelai Berbasis Web. *J-SAKTI (Jurnal Sains Komputer & Informatika)*, 5(1), 20–28.